PURPOSE:
TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

SOIL SAMPLING LOCATION PLAN

OLD DOUGLAS HARBOR REPLACEMENT

IN: GASTINEAU CHANNEL
NEAR: JUNEAU
AT: DOUGLAS HARBOR
APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATUM:
MLLW = 0.0 FT

SCALE IN FEET
0 150 300 FT.

APPLICANT ADDRESS:
CITY AND BOROUGH OF JUNEAU
155 S. SEWARD STREET
JUNEAU, AK 99801

DATE: 06/14/07

PHN#: 022005.01

SHEET 4 OF 9
SUMMARY OF APPROXIMATE DREDGE AND FILL QUANTITIES BELOW H.T.L.

EXCAVATION:
DREDGING: 75,000 CY
TOTAL: 75,000 CY

FILL:
PRIMARY DREDGE BASIN: 1,600 CY
RIPRAPH: 400 CY
FILTER ROCK: 400 CY
TOTAL (RIPRAPH & FILTER): 2,000 CY

REMARKS:
REDUCED TO 30,000 CY IN MODIFICATION LETTER DATED 7-28-09

P&N REV. 12/4/09

NOTE:
SEE NEXT SHEET FOR RETAINING WALL DETAIL
RETAINING WALL ELIMINATED

P&N REV. 12/4/09

MAXIMUM DREDGE DEPTH = 10'

FILTER ROCK LAYER
RIPRAPH SLOPE PROTECTION

JUNEAU ISLAND CAUSEWAY

H.T.L. = +20.8' MLLW

ELEV. = -12' MLLW

2' OVERDREDGE ALLOWANCE

EXISTING GROUNDLINE

NEW HEADWALK FLOAT SHOWN @ -4' MLLW WATER ELEVATION

RIPRAPH SLOPE PROTECTION

BOTTOM OF DREDGE BASIN
ELEV. = -12' MLLW

2' OVERDREDGE ALLOWANCE

P&N REV. 12/4/09

TYPICAL DREDGE SECTION
SCALE IN FEET

0 20 40 60 FT.
NEW FLOAT TYPICAL SECTION

GANGWAY ELEVATION

GANGWAY TYPICAL SECTION

PURPOSE:
TO RENOVATE AN EXISTING HARBOR IN ORDER TO
INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC
SAFETY.

FLOAT AND GANGWAY
DETAILS

OLD DOUGLAS
HARBOR REPLACEMENT

APPLICANT ADDRESS:
CITY AND BOROUGH OF JUNEAU
155 S. SEWARD STREET
JUNEAU, AK 99801
PND: 062065.01

IN: GASTINEAU CHANNEL
NEAR: JUNEAU
AT: DOUGLAS HARBOR
APPLICATION BY: CITY AND BOROUGH OF JUNEAU
DATE: 06/14/07
NOTES:
1. Socketing is anticipated at approximately 12 locations on C float; see Sheet 3.
2. Drill socket, clean out hole, drive pile to bottom of socket.
<table>
<thead>
<tr>
<th>NO.</th>
<th>CURRENT OWNER</th>
<th>STREET AND HOUSE NO.</th>
<th>PARCEL</th>
<th>LEGAL DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>MKNENETH AND CHERIE RUDOLPH</td>
<td>0 FRONT STREET</td>
<td>20040T320140</td>
<td>DOUGLAS BL 32 L 23 FR</td>
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<td>2</td>
<td>WILLIAM AND JANET LEAGUE</td>
<td>0 FRONT STREET</td>
<td>20040T32150</td>
<td>ATS 14 BL 32 L 24A 14 BL 32 L 22A</td>
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<td>3</td>
<td>KENNETH AND CHERIE RUDOLPH</td>
<td>0 FRONT STREET</td>
<td>20040T32161</td>
<td>ATS 14 &amp; BL 32 L 24</td>
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<td>4</td>
<td>CBJ</td>
<td>802 FRONT STREET</td>
<td>20040T32171</td>
<td>DOUGLAS BL 32 L 19A</td>
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<td>5</td>
<td>WILLIAM AND JANET LEAGUE</td>
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<td>AS 14 &amp; BL 32 DOUGLAS TRA</td>
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<td>820 FRONT STREET</td>
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<td>820 FRONT STREET</td>
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<td>JAMES MCCORMICK</td>
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<td>RICHARD AND BARBARA BOEHL</td>
<td>814 FRONT STREET</td>
<td>20040T320121</td>
<td>ATS 14 &amp; BL 32 L 21</td>
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<td>20040T320130</td>
<td>DOUGLAS BL 32 L 22 &amp; 23 FR</td>
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<td>11</td>
<td>US DEPT OF INTERIOR</td>
<td>100 SAVIKKO ROAD</td>
<td>20040T320040</td>
<td>JUNEAU ISLAND</td>
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<td>12</td>
<td>CBJ</td>
<td>120 SAVIKKO ROAD</td>
<td>20040T320050</td>
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<td>CBJ</td>
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<td>ATS 14</td>
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<td>14</td>
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PURPOSE:
TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

DATUM:
MHHW = 15.4'
MLLW = 0.0'

PROPERTY OWNERS

OLD DOUGLAS HARBOR REPLACEMENT

IN: CASTINEAU CHANNEL
NEAR: JUNEAU
AT: DOUGLAS HARBOR
APPLICATION BY: CITY AND BOROUGH OF JUNEAU

APPLICANT ADDRESS:
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155 S. SEWARD STREET
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